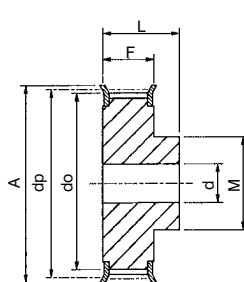


HTD Timing Pulleys - 5M Belts

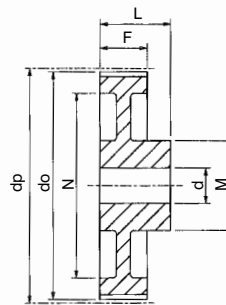
Pulley Types

Pulley types referred to in tables are as drawings below. The suffix 'F' indicates pulley flanges



Type 1F

Material: Steel



Type 2

Material: Aluminium

Catalogue No.	No. Teeth Z	Pulley Type	Pitch Circle Diameter dp	Min. Bore d	Max Bore d	Outside Diameter do	Flange Diameter A	Pulley Width F	Bore Length L	Hub Diameter M	Rim Diameter N	Approx. Weight kg
5mm Pitch Pulleys for 9mm wide Belts. Ref. 5M09												
12-5M-09	12	1F	19.10	4.0	7	18.0	23.0	14.5	20.0	12.0	-	.028
14-5M-09	14	1F	22.28	6.0	8	21.1	25.0	14.5	20.0	13.0	-	.034
15-5M-09	15	1F	23.87	6.0	10	22.7	28.0	14.5	20.0	16.0	-	.042
16-5M-09	16	1F	25.46	6.0	11	24.3	28.0	14.5	20.0	16.5	-	.050
18-5M-09	18	1F	28.65	6.0	13	27.5	32.0	14.5	20.0	20.0	-	.070
20-5M-09	20	1F	31.83	6.0	14	30.7	36.0	14.5	22.5	23.0	-	.094
21-5M-09	21	1F	33.42	6.0	15	32.3	38.0	14.5	22.5	24.0	-	.110
22-5M-09	22	1F	35.01	6.0	16	33.9	38.0	14.5	22.5	25.5	-	.118
24-5M-09	24	1F	38.20	6.0	18	37.1	42.0	14.5	22.5	27.0	-	.145
26-5M-09	26	1F	41.38	6.0	20	40.2	44.0	14.5	22.5	30.0	-	.170
28-5M-09	28	1F	44.56	6.0	20	43.4	48.0	14.5	22.5	30.5	-	.200
30-5M-09	30	1F	47.75	6.0	24	46.6	51.0	14.5	22.5	35.0	-	.236
32-5M-09	32	1F	50.93	8.0	26	49.8	54.0	14.5	22.5	38.0	-	.270
36-5M-09	36	1F	57.30	8.0	26	56.2	60.0	14.5	22.5	38.0	-	.324
40-5M-09	40	1F	63.66	8.0	26	62.5	70.0	14.5	22.5	38.0	-	.400
44-5M-09	44	2	70.03	8.0	26	68.9	-	14.5	25.5	38.0	54	.170
48-5M-09	48	2	76.39	8.0	26	75.3	-	14.5	25.5	45.0	61	.182
60-5M-09	60	2	95.49	8.0	30	94.4	-	14.5	25.5	45.0	80	.230
72-5M-09	72	2	114.59	8.0	30	113.5	-	14.5	25.5	45.0	100	.270
5mm Pitch Pulleys for 15mm wide Belts. Ref. 5M15												
12-5M-15	12	1F	19.10	4.0	7	18.0	23.0	20.5	26.0	12.0	-	.034
14-5M-15	14	1F	22.28	6.0	8	21.1	25.0	20.5	26.0	13.0	-	.046
15-5M-15	15	1F	23.87	6.0	10	22.7	28.0	20.5	26.0	16.0	-	.056
16-5M-15	16	1F	25.46	6.0	11	24.3	28.0	20.5	26.0	16.5	-	.064
18-5M-15	18	1F	28.65	6.0	13	27.5	32.0	20.5	26.0	20.0	-	.086
20-5M-15	20	1F	31.83	6.0	14	30.7	36.0	20.5	26.0	23.0	-	.112
21-5M-15	21	1F	33.42	6.0	15	32.3	38.0	20.5	26.0	24.0	-	.130
22-5M-15	22	1F	35.01	6.0	16	33.9	38.0	20.5	26.0	25.5	-	.140
24-5M-15	24	1F	38.20	6.0	18	37.1	42.0	20.5	28.0	27.0	-	.180
26-5M-15	26	1F	41.38	6.0	20	40.2	44.0	20.5	28.0	30.0	-	.220
28-5M-15	28	1F	44.56	6.0	20	43.4	48.0	20.5	28.0	30.5	-	.250
30-5M-15	30	1F	47.75	6.0	24	46.6	51.0	20.5	28.0	35.0	-	.300
32-5M-15	32	1F	50.93	8.0	26	49.8	54.0	20.5	28.0	38.0	-	.350
36-5M-15	36	1F	57.30	8.0	26	56.2	60.0	20.5	28.0	38.0	-	.426
40-5M-15	40	1F	63.66	8.0	26	62.5	70.0	20.5	28.0	38.0	-	.520
44-5M-15	44	2	70.03	8.0	26	68.9	-	20.5	30.0	38.0	54	.225
48-5M-15	48	2	76.39	8.0	30	75.3	-	20.5	30.0	45.0	61	.187
60-5M-15	60	2	95.49	8.0	30	94.4	-	20.5	30.0	45.0	80	.305
72-5M-15	72	2	114.59	8.0	30	113.5	-	20.5	30.0	45.0	100	.375
5mm Pitch Pulleys for 25mm wide Belts. Ref. 5M25												
12-5M-25	12	1F	19.10	4.0	7	18.0	23.0	30.5	36.0	12.0	-	0.50
14-5M-25	14	1F	22.28	6.0	8	21.1	25.0	30.5	36.0	13.0	-	0.70
15-5M-25	15	1F	23.87	6.0	10	22.7	28.0	30.5	36.0	16.0	-	0.80
16-5M-25	16	1F	25.46	6.0	11	24.3	28.0	30.5	36.0	16.5	-	.100
18-5M-25	18	1F	28.65	6.0	13	27.5	32.0	30.5	36.0	20.0	-	.120
20-5M-25	20	1F	31.83	6.0	14	30.7	36.0	30.5	36.0	23.0	-	.160
21-5M-25	21	1F	33.42	6.0	15	32.3	38.0	30.5	36.0	24.0	-	.180
22-5M-25	22	1F	35.01	6.0	16	33.9	38.0	30.5	36.0	25.5	-	.210
24-5M-25	24	1F	38.20	6.0	18	37.1	42.0	30.5	38.0	27.0	-	.250
26-5M-25	26	1F	41.38	6.0	20	40.2	44.0	30.5	38.0	30.0	-	.300
28-5M-25	28	1F	44.56	6.0	20	43.4	48.0	30.5	38.0	30.5	-	.350
30-5M-25	30	1F	47.75	6.0	24	46.6	51.0	30.5	38.0	35.0	-	.420
32-5M-25	32	1F	50.93	8.0	26	49.8	54.0	30.5	38.0	38.0	-	.485
36-5M-25	36	1F	57.30	8.0	26	56.2	60.0	30.5	38.0	38.0	-	.595
40-5M-25	40	1F	63.66	8.0	26	62.5	70.0	30.5	38.0	38.0	-	.745
44-5M-25	44	2	70.03	8.0	26	68.9	-	30.5	40.0	38.0	54	.320
48-5M-25	48	2	76.39	8.0	30	75.3	-	30.5	40.0	45.0	61	.275
60-5M-25	60	2	95.49	8.0	30	94.4	-	30.5	40.0	45.0	80	.435
72-5M-25	72	2	114.59	8.0	30	113.5	-	30.5	40.0	45.0	100	.525

All dimensions in mm. Other sizes of Pulleys can be supplied on short delivery.

Pulleys can be supplied bored and keywayed. For Taper Bore Pulleys see page 21.

Pulley Installation

Correct and accurate installation of Timing Drives is essential. Pulley alignment and shaft parallelism is very important as misalignment of the drive will cause unequal loading across the belt width and edge wear of belt on flanges. Pulley alignment can be checked by placing a straight edge against the outside edge of the pulleys and adjusting so contact made evenly across both pulleys.

The shaft should be located within a rigid framework, as any distortion under load could result in a reduction of centre distance which will cause jumping of belt on pulley teeth. If idlers are used they must be locked firmly into position after correct belt tensioning. Refer to page 10 for additional on drive installation.